

MEMORANDUM FOR THE RECORD: Computer Equipment Space

1. The OJCS Computer Systems Planning Report dated June 1974 will require additional equipment space and utilities to implement.
2. A 50% expansion of square feet of space would not be an unreasonable requirement if no additional equipment was added.

a. Current Space Utilization:

Installed Computer Equipment	9700 square feet.
Other Equipment and aisles	<u>2000</u> square feet
Total Available Equipment	
Space GC-03	11,700 square feet.

b. 50% Expansion:

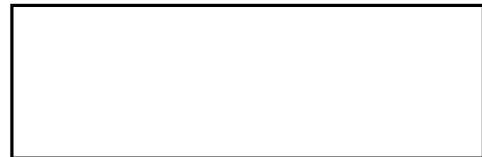
Installed Computer Equipment	14,500 square feet
Other Equipment and aisles	<u>3,000</u> square feet
TOTAL	17,500 square feet

Note that 14,500 square feet is roughly equivalent to the manufacturer's recommended space allowance.

3. The current computer plan through milestone 13 requires 18,000 square feet (manufacturer's specifications).
We could accommodate the planned equipment in 12,000 square feet, if we continued to install equipment in an over-crowded fashion.

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4. If most of the contingencies mentioned in the report were to materialize, we would need 23,000 square feet (manufacturer's specifications) or 15,000 square feet at current packing density.
5. Starting with the base of 9700 square feet for current computer equipment the expansion to 23,000 (manufacturers spec.) or 15,000 square feet (crowded installation) would mean 7,000 square feet to 13,000 square feet more space is required. If an allowance for growth in other equipment installed in the computer room is made (2,000 square feet) then the total additional space required is 15,000 sq. feet.
6. This additional space, 15,000 square feet, and the associated environmental requirements (air conditioning, power, etc.) should be our objective for the next 4 to 5 years.



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SUMMARIZATION OF EXISTING OJCS COMPUTER SPACE

<u>LOCATION</u>	<u>AREA</u> <u>SQ. FT. (FT²)</u>	
GC-03 MACHINE ROOM		11,021 FT ²
Less: Columns, air shafts, pipe chases & ramp mail room	265 <u>147</u>	<u>< 412 ></u>
Net Usable Space for Computer Equipment		<u>10,609 FT²</u>
GC-03 POINT		2,178 FT ²
Less: Office space Receptionist and lounge Ramp	584 400 <u>90</u>	<u>< 1,074 ></u>
Net Usable Space (includes 34' x 5' aisle--170 FT ²)		<u>1,104 FT²</u>
GC-03 TAPE VAULT		1,122 FT ²
Less: Columns		<u>< 31 ></u>
Net Usable Space		<u>1,091 FT²</u>
1D1605 MACHINE ROOM		2,520 FT ²
Less: Volumns and ramp		<u>< 103 ></u>
Net Usable Space		<u>2,417 FT²</u>
TOTAL USABLE SPACE IN GC03 for Computer Equipment (Less Tape Vault)		11,713 FT ²
TOTAL USABLE SPACE IN 1D1605		<u>2,417 FT²</u>
TOTAL COMBINED USABLE SPACE (GC-03 & 1D1605)		14,130 FT ²

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